

AVISTA UTILITIES
WASHINGTON NATURAL GAS
TWELVE MONTHS ENDED DECEMBER 31, 2019
(000'S OF DOLLARS)

Line No.	DESCRIPTION	Weather Normalization / Gas Cost Adjust
	Adjstment Number	2.10
	Workpaper Reference	G-WNGC
	REVENUES	
1	Total General Business	\$ (3,931)
2	Total Transportation	-
3	Other Revenues	2,095
4	Total Gas Revenues	<u>(1,836)</u>
	EXPENSES	
	Production Expenses	
5	City Gate Purchases	(1,655)
6	Purchased Gas Expense	(3)
7	Net Nat Gas Storage Trans	-
8	Total Production	<u>(1,658)</u>
	Underground Storage	
9	Operating Expenses	-
10	Depreciation/Amortization	-
11	Taxes	-
12	Total Underground Storage	<u>-</u>
	Distribution	
13	Operating Expenses	-
14	Depreciation/Amortization	-
15	Taxes	(151)
16	Total Distribution	<u>(151)</u>
17	Customer Accounting	(13)
18	Customer Service & Information	-
19	Sales Expenses	-
	Administrative & General	
20	Operating Expenses	(8)
21	Depreciation/Amortization	-
22	Regulatory Amortizations	-
23	Taxes	-
24	Total Admin. & General	<u>(8)</u>
25	Total Gas Expense	<u>(1,830)</u>
26	OPERATING INCOME BEFORE FIT	(6)
	FEDERAL INCOME TAX	
27	Current Accrual	(1)
28	Debt Interest	-
29	Deferred FIT	-
30	Amort ITC	-
31	NET OPERATING INCOME	<u>\$ (5)</u>
	RATE BASE	
	PLANT IN SERVICE	
32	Underground Storage	\$ -
33	Distribution Plant	-
34	General Plant	-
35	Total Plant in Service	<u>-</u>
	ACCUMULATED DEPRECIATION/AMORT	
36	Underground Storage	-
37	Distribution Plant	-
38	General Plant	-
39	Total Accumulated Depreciation/Amortization	<u>-</u>
40	NET PLANT	<u>-</u>
41	DEFREED TAXES	<u>-</u>
42	Net Plant After DFIT	<u>-</u>
43	GAS INVENTORY	-
44	GAIN ON SALE OF BUILDING	-
45	OTHER	-
46	WORKING CAPITAL	<u>-</u>
47	TOTAL RATE BASE	<u>\$ -</u>

12.2019	Total	January	February	March	April	May	June	July	August	September	October	November	December	
Weather Adjustment Revenue														
WA 101	(\$3,175,654)	\$670,452	(\$3,914,641)	(\$2,177,041)	\$454,102	\$1,304,095	\$447,078	\$227,299	\$341,599	(\$632,348)	(\$1,828,914)	(\$127,811)	\$2,060,476	
WA 111	(\$754,316)	\$160,158	(\$936,071)	(\$520,353)	\$125,648	\$353,324	\$122,265	\$60,785	\$91,011	(\$168,380)	(\$492,033)	(\$34,111)	\$483,441	
WA 121	(\$876)	\$180	(\$1,069)	(\$863)	\$212	\$596	(\$207)	\$73	\$137	(\$259)	(\$687)	(\$57)	\$1,068	
Total Revenue Adjustment	(\$3,930,846)	\$830,790	(\$4,851,781)	(\$2,698,257)	\$579,962	\$1,658,015	\$569,136	\$288,157	\$432,747	(\$800,987)	(\$2,321,634)	(\$161,979)	\$2,544,985	
Decoupling Revenue Offset														
WA 101	(\$1,837,326)	\$396,776	(\$2,316,699)	(\$1,288,381)	\$268,739	\$771,769	\$264,583	\$134,517	\$202,159	(\$374,226)	(\$1,082,358)	(\$78,419)	\$1,264,214	
WA 111	(\$357,941)	\$78,175	(\$456,911)	(\$253,993)	\$61,331	\$172,463	\$59,680	\$29,670	\$44,424	(\$82,189)	(\$240,169)	(\$17,429)	\$247,007	
WA 121	(\$307)	\$68	(\$402)	(\$325)	\$80	\$224	(\$78)	\$27	\$52	(\$97)	(\$258)	(\$23)	\$425	
Total WA	(\$2,195,574)	\$475,019	(\$2,774,012)	(\$1,542,699)	\$330,150	\$944,456	\$324,185	\$164,214	\$246,635	(\$456,512)	(\$1,322,785)	(\$95,871)	\$1,511,646	
Revenue Related Expenses	\$100,267	0.045668	Decoupling Mechanism revenue conversion factor											
Decoupling Adjustment	\$2,095,307	\$78,243	(\$457,313)	(\$254,318)	\$61,411	\$172,687	\$59,602	\$29,697	\$44,476					
Revenue not captured in Decoupling														
WA 101	(\$1,338,328)	\$273,676	(\$1,597,942)	(\$888,660)	\$185,363	\$532,326	\$182,495	\$92,782	\$139,440	(\$258,122)	(\$746,556)	(\$49,392)	\$796,262	
WA 111	(\$396,375)	\$81,983	(\$479,160)	(\$266,360)	\$64,317	\$180,861	\$62,585	\$31,115	\$46,587	(\$86,191)	(\$251,864)	(\$16,682)	\$236,434	
WA 121	(\$569)	\$112	(\$667)	(\$538)	\$132	\$372	(\$129)	\$46	\$85	(\$162)	(\$429)	(\$34)	\$643	
Total WA	(\$1,735,272)	\$355,771	(\$2,077,769)	(\$1,155,558)	\$249,812	\$713,559	\$244,951	\$123,943	\$186,112	(\$344,475)	(\$998,849)	(\$66,108)	\$1,033,339	
ID 101	(\$1,510,916)	\$322,393	(\$1,911,974)	(\$1,029,477)	\$243,139	\$684,036	\$237,146	\$106,229	\$159,607	(\$301,616)	(\$955,003)	(\$68,428)	\$1,003,032	
ID 111	(\$250,561)	\$51,984	(\$308,456)	(\$166,310)	\$36,787	\$103,324	\$35,641	\$18,447	\$27,536	(\$51,976)	(\$144,841)	(\$10,179)	\$157,482	
Total Revenue Adjustment	(\$1,761,477)	\$374,377	(\$2,220,430)	(\$1,195,787)	\$279,926	\$787,360	\$272,787	\$124,676	\$187,143	(\$353,592)	(\$1,099,844)	(\$78,607)	\$1,160,514	
FCA Revenue Offset														
ID 101	(\$943,352)	\$204,828	(\$1,214,745)	(\$654,063)	\$154,475	\$434,592	\$150,667	\$67,491	\$101,404	(\$191,627)	(\$606,747)	(\$44,689)	\$655,062	
ID 111	(\$107,216)	\$22,829	(\$135,463)	(\$73,037)	\$16,156	\$45,376	\$15,652	\$8,101	\$12,093	(\$22,826)	(\$63,609)	(\$4,665)	\$72,177	
Total ID	(\$1,050,568)	\$227,657	(\$1,350,208)	(\$727,100)	\$170,631	\$479,968	\$166,319	\$75,592	\$113,497	(\$214,453)	(\$670,356)	(\$49,354)	\$727,239	
Revenue Related Expenses	\$6,070	0.005778	Fixed Cost Adjustment Mechanism revenue conversion factor											
FCA Adjustment	\$1,044,498	\$22,829	(\$135,463)	(\$73,037)	\$16,156	\$45,376	\$15,652							
Revenue not captured in Decoupling														
ID 101	(\$567,564)	\$117,565	(\$697,229)	(\$375,414)	\$88,664	\$249,444	\$86,479	\$38,738	\$58,203	(\$109,989)	(\$348,256)	(\$23,739)	\$347,970	
ID 111	(\$143,345)	\$29,155	(\$172,993)	(\$93,273)	\$20,631	\$57,948	\$19,989	\$10,346	\$15,443	(\$29,150)	(\$81,232)	(\$5,514)	\$85,305	
Total ID	(\$710,909)	\$146,720	(\$870,222)	(\$468,687)	\$109,295	\$307,392	\$106,468	\$49,084	\$73,646	(\$139,139)	(\$429,488)	(\$29,253)	\$433,275	
Weather Adjustment Gas Cost Expense														
WA 101	(\$1,276,113)	\$260,956	(\$1,523,672)	(\$847,356)	\$176,747	\$507,585	\$174,013	\$88,470	\$132,958	(\$246,125)	(\$711,857)	(\$47,097)	\$759,265	
WA 111	(\$377,889)	\$78,164	(\$456,842)	(\$253,954)	\$61,321	\$172,437	\$59,670	\$29,666	\$44,417	(\$82,177)	(\$240,132)	(\$15,908)	\$225,449	
WA 121	(\$541)	\$107	(\$636)	(\$513)	\$126	\$355	(\$123)	\$43	\$82	(\$154)	(\$408)	(\$33)	\$613	
Total Gas Cost Adjustment	(\$1,654,543)	\$339,227	(\$1,981,150)	(\$1,101,823)	\$238,194	\$680,377	\$233,560	\$118,179	\$177,457	(\$328,456)	(\$952,397)	(\$63,038)	\$985,327	
GTI Gas Expense Adjustment	(\$2,598)	\$562	(\$3,283)	(\$1,826)	\$393	\$1,123	\$386	\$195	\$293	(\$543)	(\$1,573)	(\$114)	\$1,789	
ID 101	(\$564,270)	\$116,882	(\$693,176)	(\$373,232)	\$88,149	\$247,994	\$85,976	\$38,513	\$57,865	(\$109,349)	(\$346,231)	(\$23,600)	\$345,939	
ID 111	(\$142,513)	\$28,985	(\$171,988)	(\$92,730)	\$20,512	\$57,611	\$19,873	\$10,285	\$15,354	(\$28,980)	(\$80,760)	(\$5,482)	\$84,807	
Total Gas Cost Adjustment	(\$706,783)	\$145,867	(\$865,164)	(\$465,962)	\$108,661	\$305,605	\$105,849	\$48,798	\$73,219	(\$138,329)	(\$426,991)	(\$29,082)	\$430,746	
GTI Gas Expense Adjustment	(\$1,017)	\$220	(\$1,305)	(\$703)	\$164	\$461	\$160	\$74	\$110	(\$209)	(\$644)	(\$47)	\$702	
Margin	(\$81,240)	\$16,615	(\$97,089)	(\$53,931)	\$11,695	\$33,385	\$11,464	\$5,781	\$8,679	(\$16,077)	(\$46,732)	(\$3,080)	\$48,050	

12.2019		Total	January	February	March	April	May	June	July	August	September	October	November	December	
Weighted Block Rate Calculation															
WS weighted block Effective Rate by Month (Excluding prior deferral amortization Sch 155, decoupling surcharge Sch 159, and public purpose tariff rider Sch 191)															
WA 101		0.69741	0.70155	0.70155	0.70155	0.70155	0.70155	0.70155	0.70155	0.70155	0.70155	0.70155	0.67668	0.67668	
WA 111		0.53494	0.53895	0.53895	0.53895	0.53895	0.53895	0.53895	0.53895	0.53895	0.53895	0.53895	0.51488	0.51488	
WA 121		0.43812	0.44211	0.44211	0.44211	0.44211	0.44211	0.44211	0.44211	0.44211	0.44211	0.44211	0.41818	0.41818	
ID 101		0.72791	0.73122	0.73122	0.73122	0.73122	0.73122	0.73122	0.73122	0.73122	0.73122	0.73122	0.71135	0.71135	
ID 111		0.47214	0.47545	0.47545	0.47545	0.47545	0.47545	0.47545	0.47545	0.47545	0.47545	0.47545	0.45558	0.45558	
Effective WACOG by Month															
WA 101		0.26911	0.27306	0.27306	0.27306	0.27306	0.27306	0.27306	0.27306	0.27306	0.27306	0.27306	0.24935	0.24935	
WA 111		0.25921	0.26303	0.26303	0.26303	0.26303	0.26303	0.26303	0.26303	0.26303	0.26303	0.26303	0.24011	0.24011	
WA 121		0.25912	0.26292	0.26292	0.26292	0.26292	0.26292	0.26292	0.26292	0.26292	0.26292	0.26292	0.24011	0.24011	
ID 101		0.26181	0.26510	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.24534	0.24534	
ID 111		0.26181	0.26510	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.2651	0.24534	0.24534	
WA Schedule 101	17 GRC Block Usage, Bills, & Baseload			Baseload Usage	Percentage	WS Usage	Percentage						5/1/2018	11/1/2018	11/1/2019
	Block 1	70,235,875		24,017,006	100.00%	46,218,869	56.43%						0.36723	0.36723	0.36723
	Block 2	35,679,397			0.00%	35,679,397	43.57%						0.47729	0.47729	0.47729
		<u>105,915,272</u>		<u>24,017,006</u>	100.00%	<u>81,898,266</u>	100.00%						0.41518	0.41518	0.41518
		1,847,462	13	24,017,006	100.00%								0.28488	0.28637	0.26150
													Gas Cost Rev	Gas Cost Exp	Gas Cost Exp
													0.27180	0.27306	0.24935
													GTI Exp Rate	GTI Exp Rate	GTI Exp Rate
													0.00047	0.00047	0.00047
WA Schedule 111															
	Block 1	5,785,416		5,785,416	33.67%	0	0.00%						0.48625	0.48625	0.48625
	Block 2	14,299,409		11,398,727	66.33%	2,900,682	11.13%						0.33354	0.33354	0.33354
	Block 3	23,171,235		0	0.00%	23,171,235	88.87%						0.25424	0.25424	0.25424
		<u>43,256,060</u>		<u>17,184,143</u>	100.00%	<u>26,071,917</u>	100.00%						0.26307	0.26307	0.26307
		32,983	521	17,184,143									0.27568	0.27588	0.25181
													Gas Cost Rev	Gas Cost Exp	Gas Cost Exp
													0.26301	0.26303	0.24011
													GTI Exp Rate	GTI Exp Rate	GTI Exp Rate
													0.00038	0.00038	0.00038
WA Schedule 121															
	Block 1	135,553		135,553	4.39%	0	0.00%						0.48088	0.48088	0.48088
	Block 2	135,553		135,553	4.39%	0	0.00%						0.34850	0.34850	0.34850
	Block 3	2,127,460		2,127,460	68.84%	0	0.00%						0.26767	0.26767	0.26767
	Block 4	953,143		692,067	22.39%	261,076	30.80%						0.21692	0.21692	0.21692
	Block 5	586,572		0	0.00%	586,572	69.20%						0.14387	0.14387	0.14387
		<u>3,938,281</u>		<u>3,090,633</u>	100.01%	<u>847,648</u>	100.00%						0.16637	0.16637	0.16637
		273	11,321	3,090,633									0.28163	0.27574	0.25181
													Gas Cost Rev	Gas Cost Exp	Gas Cost Exp
													0.26869	0.26292	0.24011
													GTI Exp Rate	GTI Exp Rate	GTI Exp Rate
													0.00031	0.00031	0.00031
ID Schedule 101													1/1/2019	11/1/2018	11/1/2019
	Block 1	all therms											0.46457	0.44815	0.46457
													Gas Cost Rev	Gas Cost Exp	Gas Cost Exp
													0.26665	0.26665	0.24678
													Gas Cost Rev	Gas Cost Exp	Gas Cost Exp
													0.26510	0.26510	0.24534
													GTI Exp Rate	GTI Exp Rate	GTI Exp Rate
													0.00040	0.00040	0.00040
ID Schedule 111	17 GRC Block Usage, Bills, & Baseload														
	Block 1	2,975,097		2,975,097	24.57%	0	0.00%						0.51193	0.49511	0.51193
	Block 2	6,965,891		6,965,891	57.52%	0	0.00%						0.30505	0.30366	0.30505
	Block 3	8,708,834		2,169,482	17.91%	6,539,352	75.53%						0.22220	0.22127	0.22220
	Block 4	2,118,897		0	0.00%	2,118,897	24.47%						0.16742	0.16680	0.16742
		<u>20,768,719</u>		<u>12,110,470</u>	100.00%	<u>8,658,249</u>	100.00%						0.20880	0.20794	0.20880
		17,057	710	12,110,470									0.26665	0.26665	0.24678
													Gas Cost Rev	Gas Cost Exp	Gas Cost Exp
													0.26510	0.26510	0.24534
													GTI Exp Rate	GTI Exp Rate	GTI Exp Rate
													0.00040	0.00040	0.00040

12.2019	Total	January	February	March	April	May	June	July	August	September	October	November	December
Normal DDH	6,513	1,103	915	775	542	298	137	26	30	158	534	863	1,132
Actual DDH	6,748	1,052	1,218	938	500	180	96	8	3	209	697	875	972
DDH Adjustment to Normal	-235	51	-303	-163	42	118	41	18	27	-51	-163	-12	160
Rate Group													
WA Res Sched 101	-3,700,254	801,385	-4,675,837	-2,602,571	556,636	1,601,925	548,638	273,995	411,853	-761,951	-2,247,062	-162,745	2,555,480
No of Cust	153,136	152,262	149,533	154,716	150,948	154,620	152,408	153,138	153,459	150,304	157,012	154,466	154,765
Usage/DDH	0.1032	0.1032	0.1032	0.1032	0.0878	0.0878	0.0878	0.0994	0.0994	0.0994	0.0878	0.0878	0.1032
WA Com Sched 101	-717,319	152,508	-894,162	-495,086	89,553	253,875	87,609	49,082	73,744	-136,943	-355,590	-25,826	483,917
No of Cust	12,130	12,092	11,933	12,282	12,060	12,169	12,086	12,119	12,139	11,934	12,339	12,173	12,230
Usage/DDH	0.2473	0.2473	0.2473	0.2473	0.1768	0.1768	0.1768	0.2250	0.2250	0.2250	0.1768	0.1768	0.2473
WA Ind Sched 101	-7,803	1,779	-9,989	-5,530	1,095	3,077	1,025	919	1,323	-2,464	-4,310	-309	5,581
No of Cust	72	73	69	71	72	72	69	74	71	70	73	71	73
Usage/DDH	0.4778	0.4778	0.4778	0.4778	0.3622	0.3622	0.3622	0.6903	0.6903	0.6903	0.3622	0.3622	0.4778
WA Res Sched 111	-57,062	12,788	-73,462	-41,549	9,869	27,635	9,699	0	0	0	-39,712	-2,716	40,386
No of Cust	299	302	292	307	299	298	301	300	299	289	310	288	304
Usage/DDH	0.8303	0.8303	0.8303	0.8303	0.7859	0.7859	0.7859	0.0000	0.0000	0.0000	0.7859	0.7859	0.8303
WA Com Sched 111	-1,271,012	277,033	-1,620,507	-900,058	218,130	613,516	212,234	112,785	168,868	-312,423	-854,006	-62,094	875,510
No of Cust	2,723	2,722	2,680	2,767	2,726	2,729	2,717	2,732	2,727	2,671	2,750	2,716	2,742
Usage/DDH	1.9956	1.9956	1.9956	1.9956	1.9052	1.9052	1.9052	2.2935	2.2935	2.2935	1.9052	1.9052	1.9956
WA Ind Sched 111	-32,554	7,345	-42,873	-23,887	5,135	14,427	4,925	0	0	0	-19,229	-1,441	23,044
No of Cust	57	57	56	58	57	57	56	57	55	57	55	56	57
Usage/DDH	2.5267	2.5267	2.5267	2.5267	2.1449	2.1449	2.1449	0.0000	0.0000	0.0000	2.1449	2.1449	2.5267
WA Com Sched 121	-1,850	407	-2,419	-1,952	480	1,349	-469	165	310	-585	-1,553	-137	2,554
No of Cust	4	4	4	6	6	6	-6	4	5	5	5	6	8
Usage/DDH	1.9956	1.9956	1.9956	1.9052	1.9052	1.9052	2.2935	2.2935	2.2935	1.9052	1.9052	1.9956	
ID Res Sched 101	-1,686,777	365,709	-2,172,055	-1,170,125	279,093	785,066	272,541	121,366	182,508	-345,273	-1,096,977	-80,907	1,172,277
No of Cust	76,580	76,042	76,018	76,126	76,205	76,297	76,231	76,446	76,639	76,758	77,178	77,319	77,696
Usage/DDH	0.0943	0.0943	0.0943	0.0943	0.0872	0.0872	0.0872	0.0882	0.0882	0.0882	0.0872	0.0872	0.0943
ID Com Sched 101	-339,365	74,206	-436,987	-234,741	52,726	148,462	51,112	23,506	35,159	-66,128	-206,428	-15,104	234,852
No of Cust	7,724	7,723	7,655	7,644	7,735	7,752	7,681	7,741	7,719	7,686	7,803	7,755	7,791
Usage/DDH	0.1884	0.1884	0.1884	0.1884	0.1623	0.1623	0.1623	0.1687	0.1687	0.1687	0.1623	0.1623	0.1884
ID Ind Sched 101	-4,448	983	-5,730	-3,024	692	1,944	663	405	608	-1,082	-2,635	-183	2,911
No of Cust	52	54	53	52	53	53	52	52	52	49	52	49	51
Usage/DDH	0.3568	0.3568	0.3568	0.3568	0.3109	0.3109	0.3109	0.4331	0.4331	0.4331	0.3109	0.3109	0.3568
ID Res Sched 111	-17,944	3,704	-22,415	-11,948	2,846	7,639	2,654	2,154	3,232	-6,104	-10,650	-784	11,728
No of Cust	108	107	109	108	112	107	107	108	108	108	108	108	108
Usage/DDH	0.6787	0.6787	0.6787	0.6787	0.6050	0.6050	0.6050	1.1082	1.1082	1.1082	0.6050	0.6050	0.6787

	12.2019	Total	January	February	March	April	May	June	July	August	September	October	November	December
ID Com Sched 111		-473,020	100,581	-597,131	-321,701	71,301	199,878	69,244	36,644	54,684	-103,215	-280,790	-20,612	318,097
No of Cust		1,363	1,362	1,361	1,363	1,358	1,355	1,351	1,365	1,358	1,357	1,378	1,374	1,373
Usage/DDH			1,4480	1,4480	1,4480	1,2501	1,2501	1,2501	1,4914	1,4914	1,4914	1,2501	1,2501	1,4480
ID Ind Sched 111		-22,521	5,051	-29,221	-16,145	3,227	9,801	3,065	0	0	0	-13,200	-947	15,848
No of Cust		38	38	37	38	37	40	36	40	37	37	39	38	38
Usage/DDH			2,6065	2,6065	2,6065	2,0765	2,0765	2,0765	0,0000	0,0000	0,0000	2,0765	2,0765	2,6065
WA subtotal		-5,787,854	1,253,245	-7,319,249	-4,070,633	880,898	2,515,804	863,661	436,946	656,098	-1,214,366	-3,521,462	-255,268	3,986,472
ID subtotal		-2,544,075	550,234	-3,263,539	-1,757,684	409,885	1,152,790	399,279	184,075	276,191	-521,802	-1,610,680	-118,537	1,755,713
Summarize by Schedule														
WA 101		-4,425,376	955,672	-5,579,988	-3,103,187	647,284	1,858,877	637,272	323,996	486,920	-901,358	-2,606,962	-188,880	3,044,978
WA 111		-1,360,628	297,166	-1,736,842	-965,494	233,134	655,578	226,858	112,785	168,868	-312,423	-912,947	-66,251	938,940
WA 121		-1,850	407	-2,419	-1,952	480	1,349	-469	165	310	-585	-1,553	-137	2,554
ID 101		-2,030,590	440,898	-2,614,772	-1,407,890	332,511	935,472	324,316	145,277	218,275	-412,483	-1,306,040	-96,194	1,410,040
ID 111		-513,485	109,336	-648,767	-349,794	77,374	217,318	74,963	38,798	57,916	-109,319	-304,640	-22,343	345,673

Weather Sensitivity Regression Summary for January 2009 through 2018

Adj R ²	Dependent Variable	Summer Mo Heating Jul, Aug, Sep	Shoulder Mo Heating Apr, May, Jun, Oct, Nov	Winter Mo Heating Dec, Jan, Feb, Mar	Usage/Cust Base Load	Usage/Cust 2018 Low	Durbin Watson Test Result
Washington Gas							
0.991	WR101	0.0994	0.0878	0.1032	9	13	No Autocorrelation
0.983	WC101	0.2250	0.1768	0.2473	0	11	No Autocorrelation
0.963	WI101	0.6903	0.3622	0.4778	-38	5	Corrected with AR(1)
0.990	WT101	0.1142	0.0953	0.1153	8	13	No Autocorrelation
0.959	WR111	0.0000	0.7859	0.8303	488	320	Corrected with AR(1)
0.992	WC111	2.2935	1.9052	1.9956	483	562	Corrected with AR(1),(2),(3)
0.858	WI111	0.0000	2.1449	2.5267	2,246	2,196	Corrected with AR(1),(2)
0.991	WT111	2.2429	1.7790	1.8827	507	568	Corrected with AR(1),(2),(3)
0.992	WC121	2.2935	1.9052	1.9956	483	562	combined with 111
0.991	WT121	2.2429	1.7790	1.8827	507	568	combined with 111
Idaho Gas							
0.995	IR101	0.0882	0.0872	0.0943	9	13	Corrected with AR(1),(2)
0.981	IC101	0.1687	0.1623	0.1884	0	10	Corrected with AR(1),(2)
0.965	II101	0.4331	0.3109	0.3568	-27	6	Corrected with AR(1),(3)
0.993	IT101	0.0995	0.0929	0.1042	7	12	Corrected with AR(1),(2)
0.973	IR111	1.1082	0.6050	0.6787	231	229	Corrected with AR(1)
0.977	IC111	1.4914	1.2501	1.4480	592	635	Corrected with AR(1),(2)
0.671	II111	0.0000	2.0765	2.6065	4,133	4,076	Corrected with AR(1),(2)
0.977	IT111	1.4853	1.2863	1.4262	636	692	Corrected with AR(1)

Dependent Variable Name Code

1st letter

W = Washington Jurisdiction

I = Idaho Jurisdiction

2nd letter

R = Residential Class

C = Commercial Class

I = Industrial Class

T = Total Schedule

Numerical reference

Rate Schedule

Prep by: _____ 1st Review: _____

AVISTA UTILITIES
Weather Normalization
Degree Day Comparison
Twelve Months Ended December 31, 2019

CALENDAR MONTHLY DDH & DDC	ACTUAL DDH	1990- 2019 30 YEAR AVG DDH	ADJUSTMENT NORM - ACT DDH
Jan - 19	1,052	1,103	51
Feb - 19	1,218	915	-303
Mar - 19	938	775	-163
Apr - 19	500	542	42
May - 19	180	298	118
Jun - 19	96	137	41
Jul - 19	8	26	18
Aug - 19	3	30	27
Sep - 19	209	158	-51
Oct - 19	697	534	-163
Nov - 19	875	863	-12
Dec - 19	972	1,132	160
	6,748	6,513	-235
Heating Season Adjustment	6528	6,299	-229

Prep by:_____ 1st Review:_____

Spokane AP Weather Station
Heating Degree Day History

		Heating Season												Total
		July	August	September	October	November	December	January	February	March	April	May	June	Total
1	2018 - 2019	15	24	169	517	836	1,021	1,052	1,218	938	500	180	96	6,566
2	2017 - 2018	0	3	166	560	811	1,179	960	968	783	543	125	103	6,201
3	2016 - 2017	20	10	158	508	637	1,289	1,379	992	741	556	272	66	6,628
4	2015 - 2016	5	11	197	322	899	1,054	1,048	753	683	308	198	110	5,588
5	2014 - 2015	7	5	94	357	906	991	1,049	713	597	519	157	25	5,420
6	2013 - 2014	0	7	160	590	898	1,213	1,090	1,085	780	537	227	106	6,693
7	2012 - 2013	20	14	68	504	779	1,040	1,243	869	730	561	272	140	6,240
8	2011 - 2012	40	8	99	516	890	1,118	1,078	930	809	494	345	175	6,502
9	2010 - 2011	48	47	158	472	948	1,096	1,103	1,006	790	698	401	192	6,959
10	2009 - 2010	17	23	103	668	834	1,252	919	751	733	538	420	190	6,448
11	2008 - 2009	8	52	142	529	785	1,328	1,204	957	936	586	303	93	6,923
12	2007 - 2008	0	27	194	553	894	1,126	1,243	952	880	683	274	176	7,002
13	2006 - 2007	8	30	170	552	865	1,122	1,243	864	685	548	270	136	6,493
14	2005 - 2006	11	22	229	489	919	1,258	905	949	812	525	301	104	6,524
15	2004 - 2005	16	34	204	480	857	1,020	1,128	842	711	503	260	166	6,221
16	2003 - 2004	9	1	151	418	1,056	1,083	1,193	945	668	455	315	131	6,425
17	2002 - 2003	28	26	219	678	839	962	957	885	745	588	365	90	6,382
18	2001 - 2002	33	20	100	588	744	1,136	1,063	934	938	581	412	137	6,686
19	2000 - 2001	51	43	285	572	1,134	1,245	1,168	1,060	795	634	320	201	7,508
20	1999 - 2000	75	36	181	540	703	1,030	1,143	908	799	496	363	142	6,416
21	1998 - 1999	0	20	101	565	748	1,119	1,010	836	769	594	448	186	6,396
22	1997 - 1998	35	15	116	549	785	1,098	1,058	747	721	505	276	90	5,995
23	1996 - 1997	35	49	281	603	949	1,241	1,130	928	794	642	264	154	7,070
24	1995 - 1996	21	88	146	648	742	1,120	1,217	1,045	880	556	471	143	7,077
25	1994 - 1995	26	13	81	558	970	1,071	1,045	771	771	578	262	170	6,316
26	1993 - 1994	151	83	217	457	1,063	1,051	904	998	713	469	262	160	6,528
27	1992 - 1993	32	60	232	481	916	1,297	1,331	1,102	834	578	192	165	7,220
28	1991 - 1992	15	16	108	574	918	992	1,024	750	598	477	206	61	5,739
29	1990 - 1991	37	42	54	610	774	1,356	1,212	716	866	568	406	248	6,889
30	1989 - 1990	22	76	149	554	805	1,048	976	968	739	454	373	166	6,330
1990 - 2019 30-Year Average		26	30	158	534	863	1,132	1,103	915	775	542	298	137	6,513

Prep by:_____ 1st Review:_____

Summarize No of Customers by Code

		201901	201902	201903	201904	201905	201906	201907	201908	201909	201910	201911	201912
WA Residential Sch 101	WR101	152,262	149,533	154,716	150,948	154,620	152,408	153,138	153,459	150,304	157,012	154,466	154,765
WA Commercial Sch 101	WC101	12,092	11,933	12,282	12,060	12,169	12,086	12,119	12,139	11,934	12,339	12,173	12,230
WA Industrial Sch 101	WI101	73	69	71	72	72	69	74	71	70	73	71	73
WA Total Sch 101	WT101	164,455	161,561	167,095	163,106	166,886	164,587	165,355	165,693	162,332	169,448	166,729	167,092
WA Residential Sch 111	WR111	302	292	307	299	298	301	300	299	289	310	288	304
WA Commercial Sch 111	WC111	2,722	2,680	2,767	2,726	2,729	2,717	2,732	2,727	2,671	2,750	2,716	2,742
WA Industrial Sch 111	WI111	57	56	58	57	57	56	57	55	57	55	56	57
WA Total Sch 111	WT111	3,100	3,048	3,152	3,102	3,104	3,095	3,110	3,102	3,037	3,137	3,081	3,124
WA Residential 121	WR121	-	-	-	-	-	-	-	-	-	-	-	-
WA Commercial Sch 121	WC121	4	4	6	6	6	(6)	4	5	5	5	6	8
WA Industrial Sch 121	WI121	-	-	-	-	-	-	-	-	-	-	-	-
WA Total Sch 121	WT121	4	4	6	6	6	(6)	4	5	5	5	6	8
WA Total Sch 131	WT131	2	2	2	2	2	2	2	2	1	3	2	1
		-	-	-	-	-	-	-	-	-	-	-	-
ID Residential Sch 101	IR101	76,042	76,018	76,126	76,205	76,297	76,231	76,446	76,639	76,758	77,178	77,319	77,696
ID Commercial Sch 101	IC101	7,723	7,655	7,644	7,735	7,752	7,681	7,741	7,719	7,686	7,803	7,755	7,791
ID Industrial Sch 101	II101	54	53	52	53	53	52	52	52	49	52	49	51
ID Total Sch 101	IT101	83,824	83,731	83,827	83,998	84,107	83,969	84,244	84,415	84,498	85,038	85,128	85,543
ID Residential Sch 111	IR111	107	109	108	112	107	107	108	108	108	108	108	108
ID Commercial Sch 111	IC111	1,362	1,361	1,363	1,358	1,355	1,351	1,365	1,358	1,357	1,378	1,374	1,373
ID Industrial Sch 111	II111	38	37	38	37	40	36	40	37	37	39	38	38
ID Total Sch 111	IT111	1,511	1,511	1,513	1,511	1,506	1,498	1,517	1,507	1,506	1,529	1,524	1,523
ID Commercial Sch 121	IC121	-	-	-	-	-	-	-	-	-	-	-	-
ID Industrial Sch 121	II121	-	-	-	-	-	-	-	-	-	-	-	-
ID Total Sch 121	IT121	-	-	-	-	-	-	-	-	-	-	-	-
ID Total Sch 131	IT131	-	-	-	-	-	-	-	-	-	-	-	-